

How many Combinations?

How many different combinations of T-shirts and Jeans?

List all the different combinations.

12 different combinations

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Description

In this activity students count the different combinations of t-shirts and jeans. *This activity is non adaptive.*

Teaching Hints

Use the visualisation to discuss where to begin. Use the animation in the visualisation to demonstrate the process of counting all the different combinations. Encourage students to figure out the short way of obtaining the answer which is to multiply the variables.

Activities

<p>How many different combinations of T-shirts and Jeans?</p> <table border="1"><tr><td>T-shirts</td><td>Jeans</td></tr><tr><td></td><td></td></tr></table> <p>Different combinations = <input type="text" value="5"/> ✓</p> <p>Example 1</p>	T-shirts	Jeans			<p>How many different combinations of T-shirts and Jeans?</p> <table border="1"><tr><td>T-shirts</td><td>Jeans</td></tr><tr><td></td><td></td></tr></table> <p>Different combinations = <input type="text" value="12"/> ✓</p> <p>Example 2</p>	T-shirts	Jeans			<p>How many different combinations of T-shirts and Jeans?</p> <table border="1"><tr><td>T-shirts</td><td>Jeans</td></tr><tr><td></td><td></td></tr></table> <p>Different combinations = <input type="text" value="10"/> ✓</p> <p>Example 3</p>	T-shirts	Jeans		
T-shirts	Jeans													
T-shirts	Jeans													
T-shirts	Jeans													